
CLE ELUM AND SUPPLEMENTATION RESEARCH FACILITY

MONTHLY PROGRESS REPORT (October 1, 2008 – October 31, 2008)

DATE: NOVEMBER 6, 2008

TO: MEL SAMPSON

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FROM: CLE ELUM SUPPLEMENTATION AND RESEARCH FACILITY

FISH PRODUCTION: On October 7th the 2008 spawning season was completed. 823 adults were transferred to the facility for the 2008 season. The overall adult mortality was 6.9% (1.3% pre-spawning mortality and 5.6% encountered after sorting).

Wild/natural salmon collected included 278 females, 173 males, and 29 jacks for a total 480 fish for the 2008 brood. Supplemented brood stock collected included 149 adults (85 females, 35 males and 29 jacks). Hatchery control brood collected for research included 194 adults (91 females, 68 males and 35 jacks).

Eggs will be inventoried in November with an actual summary of eggs numbers to be submitted for the November report.

The estimated egg takes (production) for the 2008 season was 1,375,146 eggs with 1,006,063 comprising of W x W crosses and 250,755 eggs of H x H crosses with 118,328 supplement crosses.

Breakdown of eggs and female/male spawners for the 2008 season.

Cross Type	Estimated egg take	# Female spawners	# male spawners	Estimated eggs per female
WW	1,006,063	253	138 adults + 13 jacks	3976
HH	250,755	67	37 adults + 14 jacks	3743
SS	118,328	32	9 adults + 20	3698
Total/average	1,375,146	352	184	3907

Total fish on hand for the 2007 brood is 768,751 with an average fish per pound of 30.6 f/lb.

FISH CULTURE: The marking and pit-tagging operation started on October 13th. The pit-tagging portion was completed Thursday October 23rd. A total 40,000 juveniles were pit-tagged (2,000 from each of the production ponds and 4,000 each for the hatchery juvenile ponds 9 & 10). Cle Elum staff began shocking, sorting, counting and splitting eggs in incubation. Shocking eggs will separate live eggs from dead eggs. Eggs are treated with formalin three times a week to control fungus.

The focus for the culturists during the month of October entail completing the final spawn (egg take) on the 7th, pond cleaning, keeping the marking trailers supplied with fish and end of month sampling. The adult holding ponds were power washed and winterized for the shut down period.

Facility crew members Greg Strom and Mike Whitefoot assisted Joe Blodgett and his crew with fish brood collection on the 22nd of October. Fall Chinook and Coho salmon were seined up and put in tanker trucks from Chandler canal and transported to holding ponds for later spawning. Charlie, Simon and Vernon assisted with sorting and spawning Summer Chinook at the Wells hatchery for the Summer Chinook reintroduction program on the lower Yakima River.

WATER PRODUCTION: The current combined well and river water supply to the complex is 12,909 gallons/min. Four river pumps (12,400gpm) and one well pump #2 (509gpm) are supplying water to the facility main head box and the egg incubation building.

ACCLIMATION SITES: Easton had much activity in October, the electrical power panel that's switches commercial power operation to generator power (transfer switch) malfunctioned. Charlie called Wallace Electric as well as ASCO Services to trouble shoot the problem which has yet to be determined. Heaters have been turned on in all service buildings at the acclimation sites.

Pacific States Marine Fisheries Commission traveled to Easton to install a pole to mount a satellite and a new ups backup system with new monitors and computers for pit tag data recording and transmitting. Brown and Jackson pumped out the septic tanks at Easton and Clark Flat. AMB Tools performed maintenance on the compressors at the acclimation sites as well as Cle Elum (5 total).

VEHICLE MAINTENANCE: Day Wireless performed maintenance on all handheld and vehicle radios. Day Wireless repaired radio communications (static noise) on the 6th also. All vehicles mileages and conditions are reported monthly to Toppenish. Cle Elum staff continues to clean and maintain all facility vehicles weekly.

MAINTENANCE BUILDING MAINTENANCE: Kevin of Raincountry was called in response to repairs needed to the water chiller system. Cle Elum staff winterized all irrigation as well as shop grounds. Brown and Jackson pumped out the septic tank at the hatchery on the 22nd.

HATCHERY BUILDING MAINTENANCE: The incubation room has been set up for transfer of eggs from isolation buckets to vertical stacks, temperature units are recorded daily.

RESENTDENTIAL HOUSING: Residents irrigation has been winterized and fall fertilizer was applied to all grass on facility. Four Seasons performed maintenance on all heating systems and replaced a thermostat on resident house #391. Alden Plumbing replaced a water faucet in a sink at resident house #1001. Shaw's Furniture & Appliance replaced three faulty microwaves in residents #391, 411 and 871.

RIVER PUMP STATION MAINTENANCE: All river pumps are in operation and supply river water to the main facility. Approximately 12,400 gallons per minute are being pumped to eighteen raceways. Weekly cleaning and upkeep is performed by Cle Elum staff.

WELL FIELD MAINTENANCE: Weekly test holes are measured, recorded and sent to CH2MHILL. Pump #1 is in operation and the flow meter is recorded weekly. On the 3rd well pumps 5 and 6 were shut down and winterized for the season. Well pump #2 had fence damage repaired on the 16th.

SAFETY AND TRAINING: A safety meeting was held on the 21st. On the 15th ABC Fire Prevention performed maintenance on all fire extinguishers.

MISCELLANEOUS: Snowmobiles were taken to Yamaha Jacks for maintenance and repairs. Patricia Bogar sent out a hatchery host advertisement in the magazine "Workcamper News" for the 2009 season's volunteers.

MEETINGS AND TOURS: Zillah school district sent 100 students for a tour to the Cle Elum facility on the first. On the 7th Thorp school district sent 25 students to tour the hatchery. Charlie attended a policy meeting at Nelson Springs on the 28th.

PERSONNEL: DJ Brownlee, Simon Goudy and Quinn James were given their yearly evaluations in October.

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